

Figure 1

0.1.2

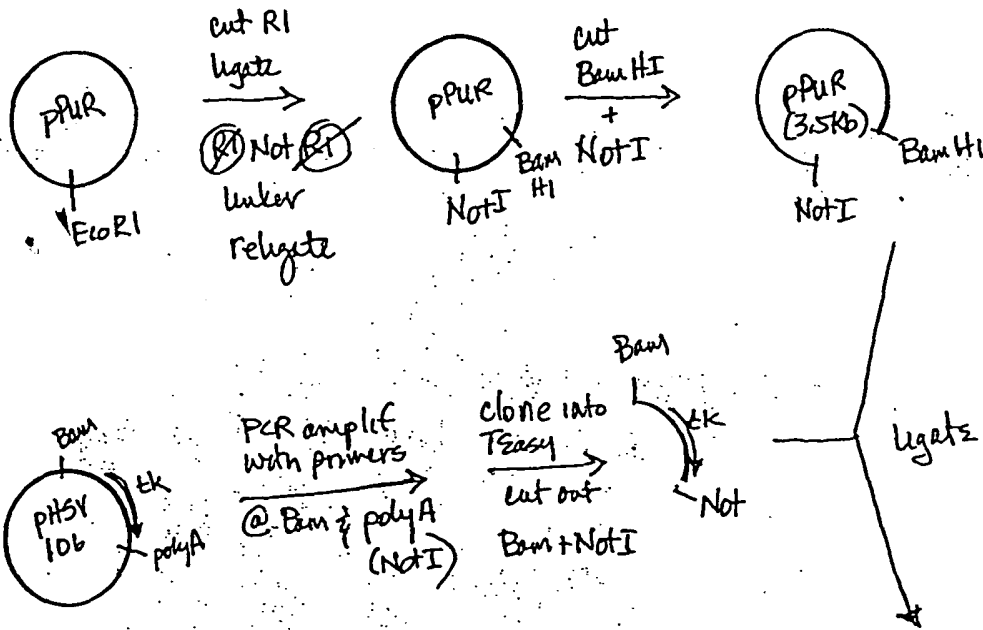
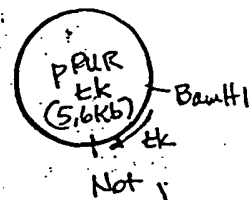


Figure 1a



4.1 Kb Bam fragment (α3') locus (MUSTRA)

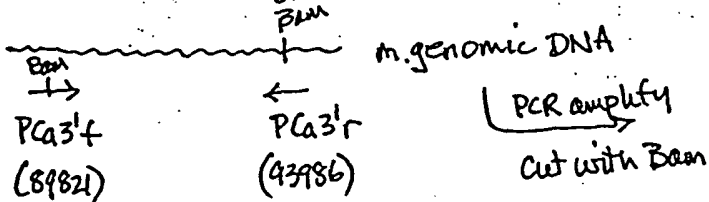


Figure 1b

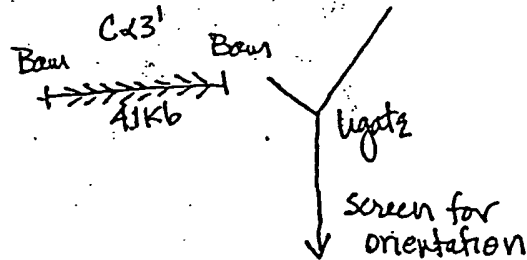
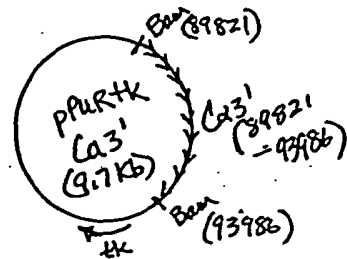


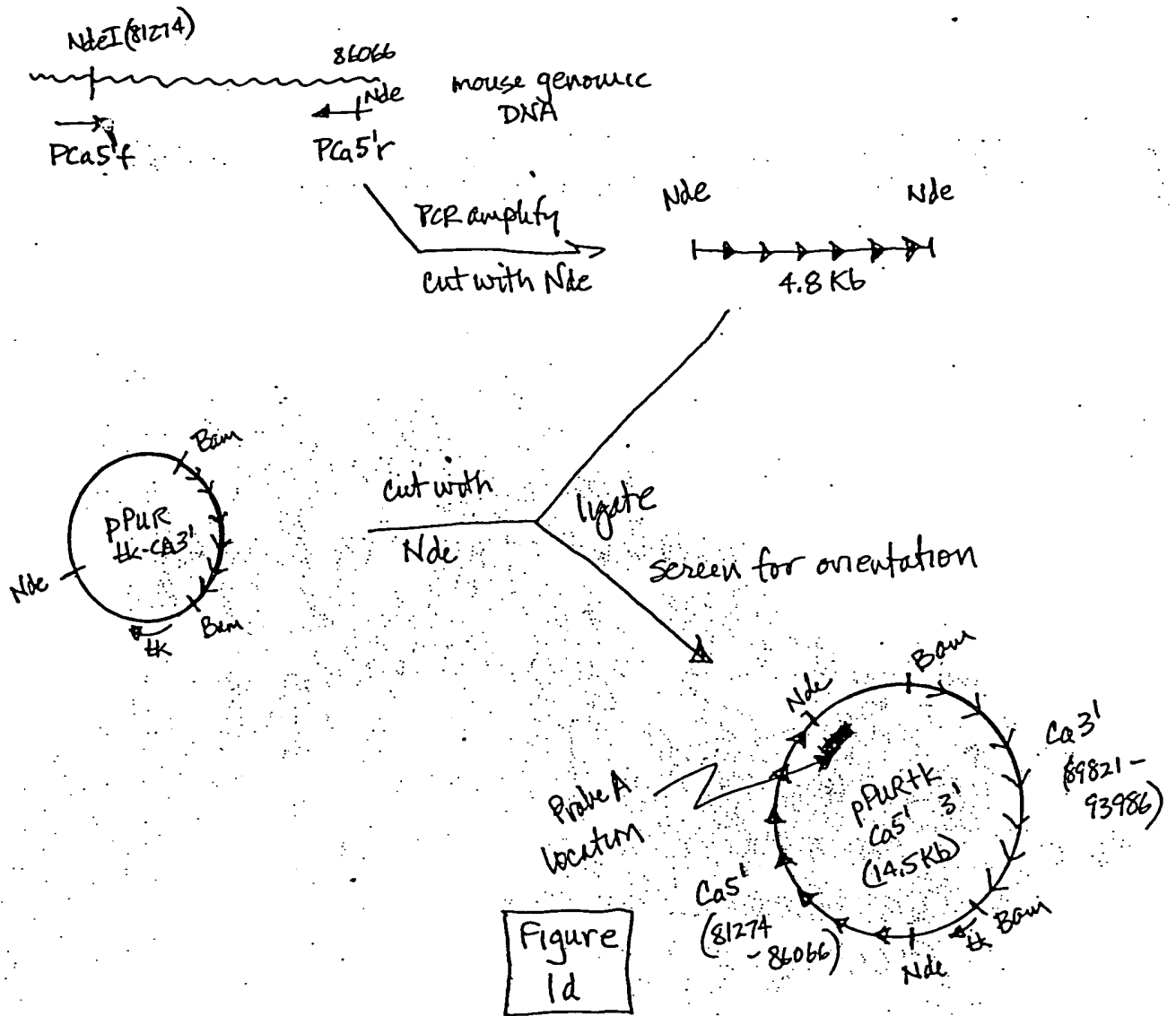
Figure 1c



FOR ESTABLISHMENT

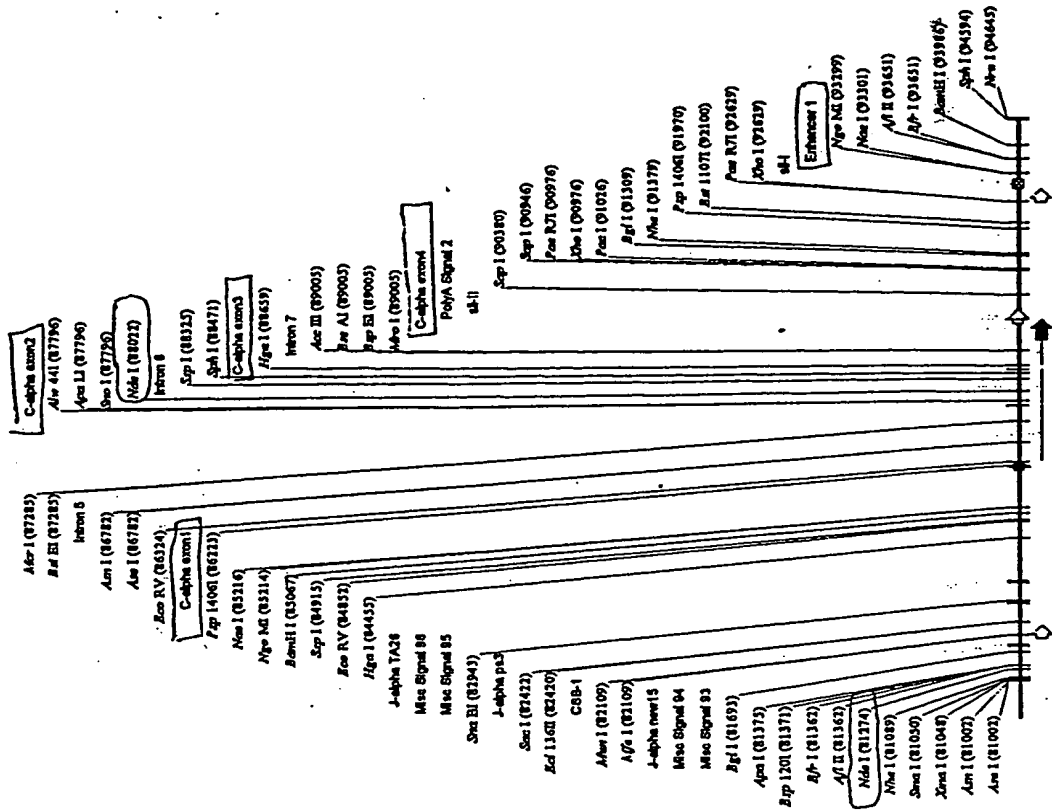
# Figure 1 overview Cont.

4.8 Kb NdeI fragment (Ca51) locus MUSTRA



FOOTPRINT







86066

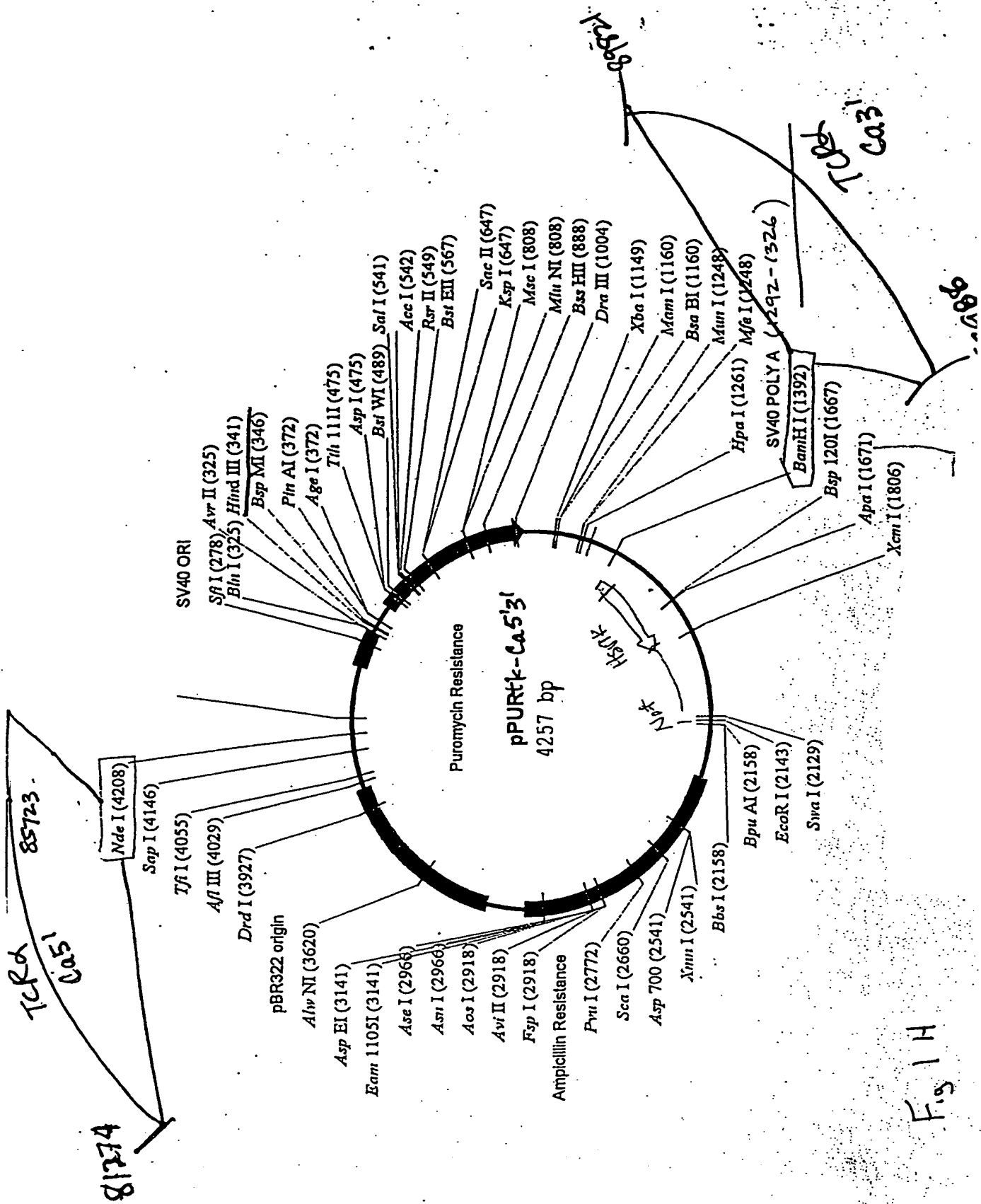
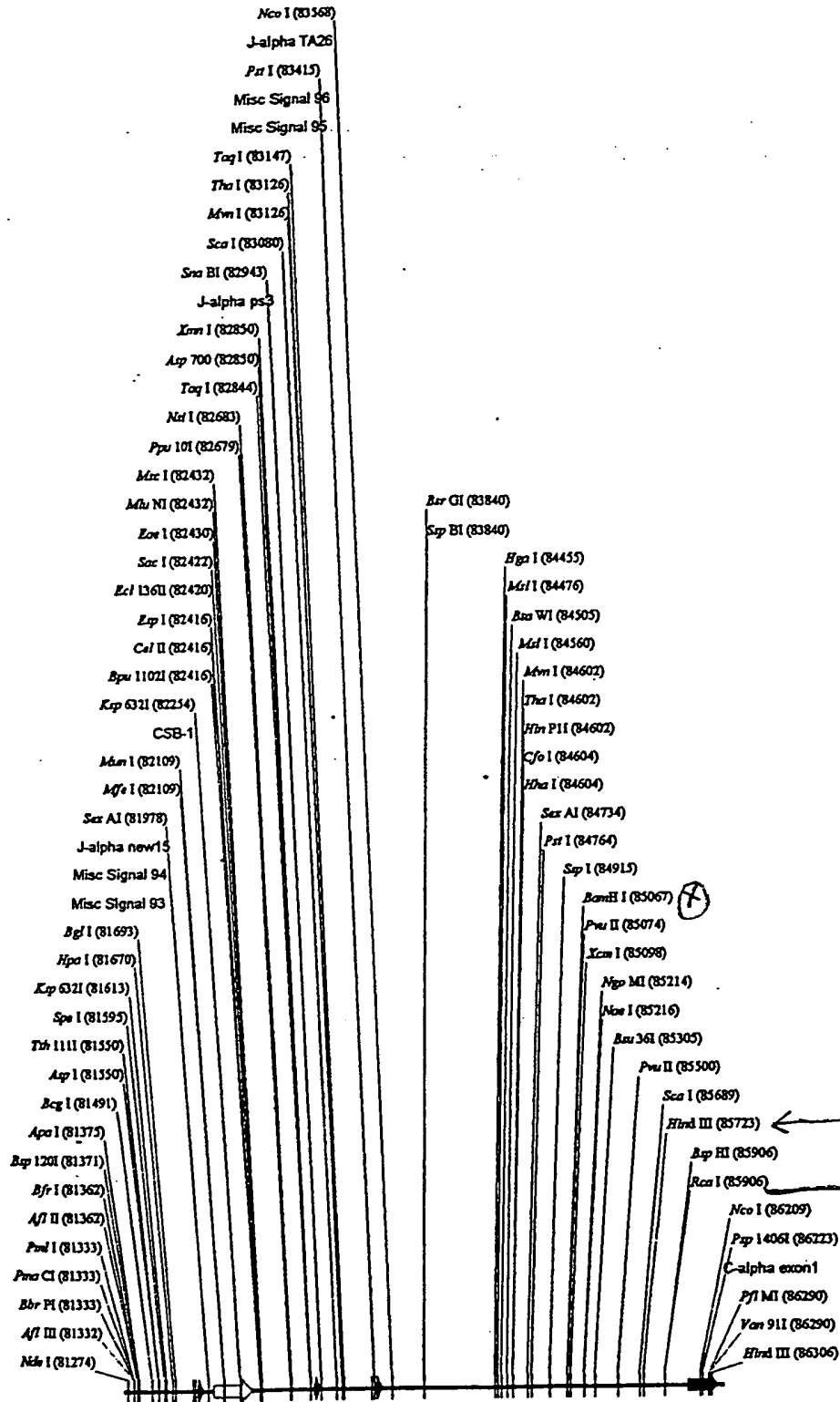


Fig 1 H

FOR "E" = 3444444444



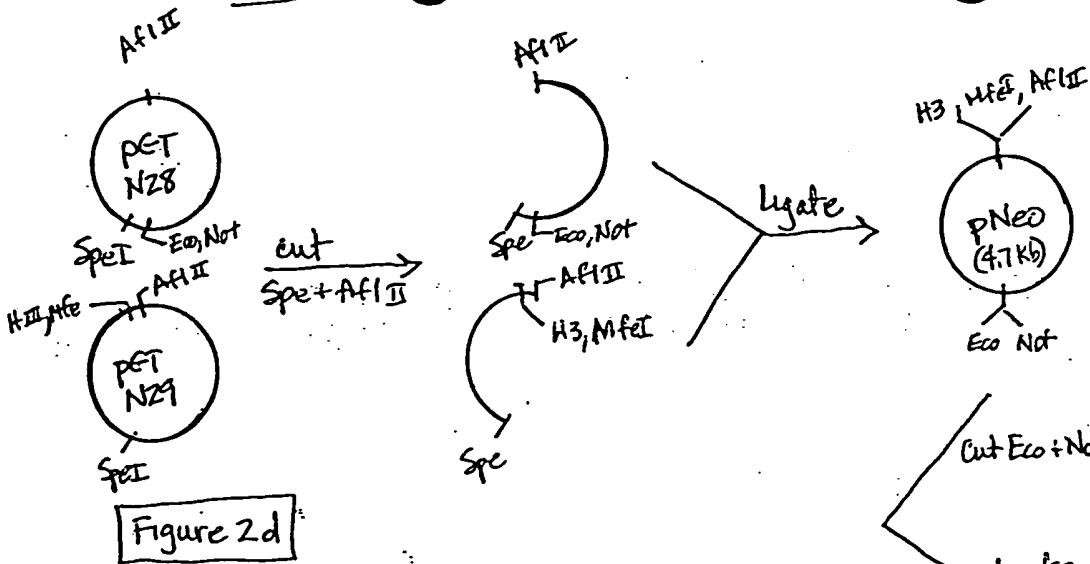
Robe a fragment  
 ↓  
 P PWR  
 86061  
 85923 (H3a)

Nde site  
 unsited  
 @ 86061

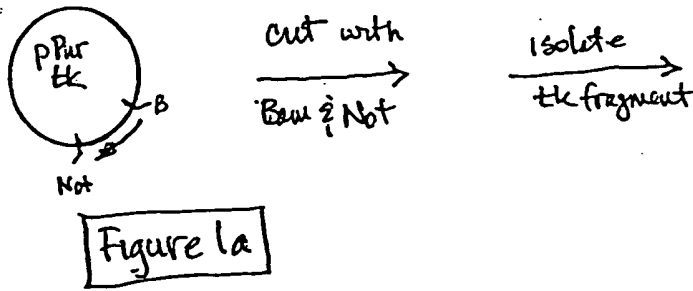
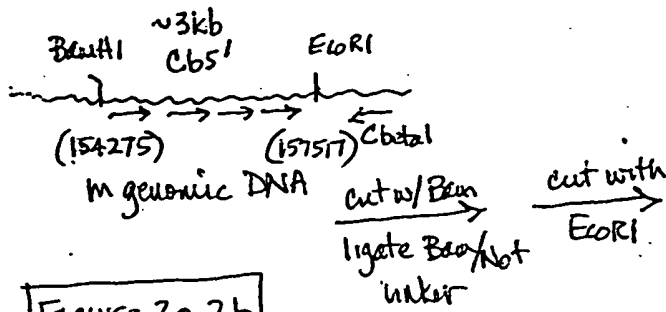
Fragment of mTCRa,d locus (MUSTCRA)  
 5160 bp (molecule 94647 bp)

Fig. 1 I

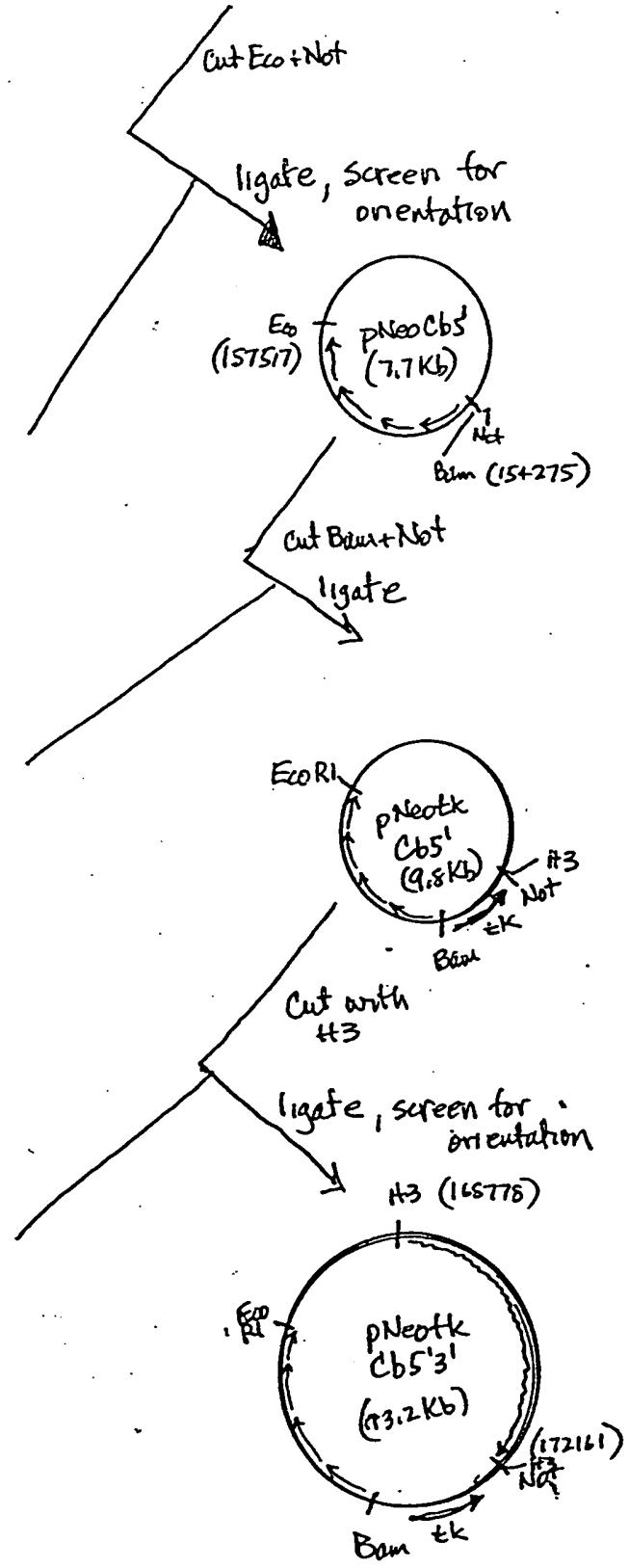
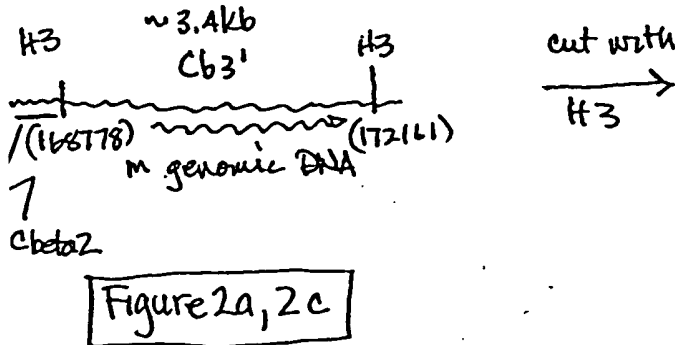
Figure 4 Overview



Fragment of mTCR beta locus 3'



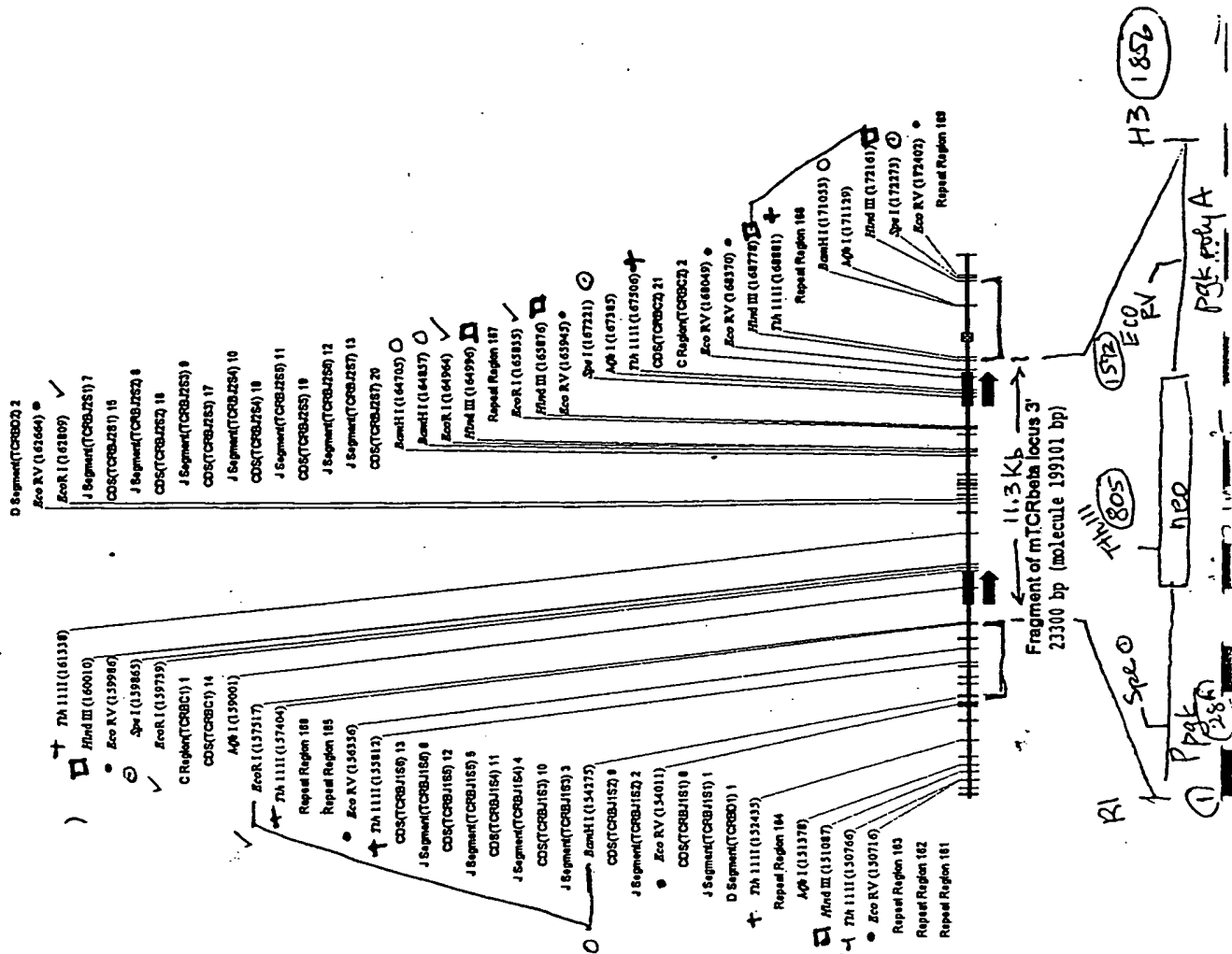
Fragment of mTCR beta locus 3'



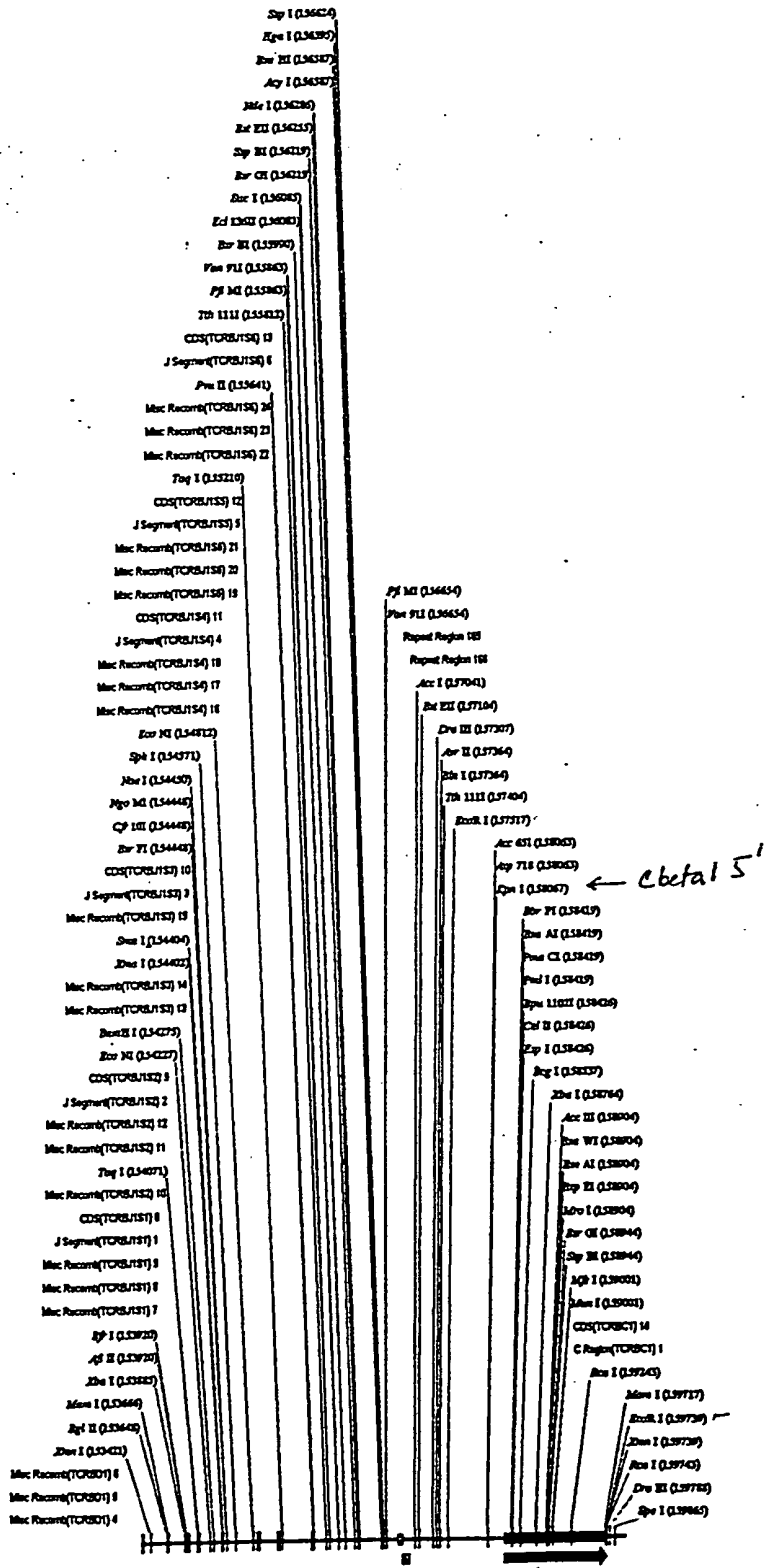
FOR THE SHOOT



Fig 2a



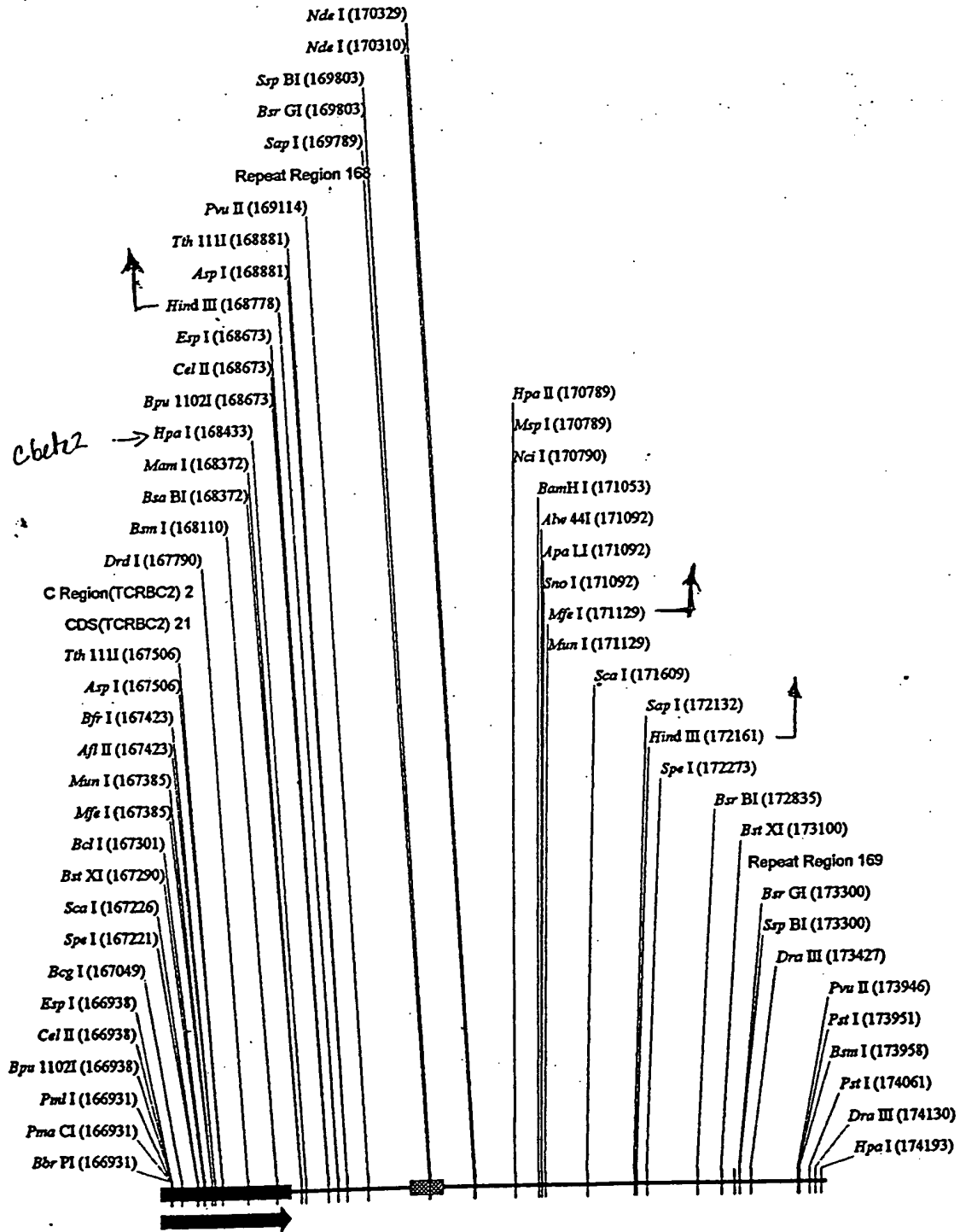
TCRβ Cb1 5' region



Fragment of mTCR Cb1 5' region - 158300 - 159747  
6700 bp (molecule 199101 bp)

Fig. 2b

FOR THE "BETHLEHEM"



Fragment of mTCRbeta locus 3'  
7439 bp (molecule 199101 bp)

Fig. 2c

TO BE REPRODUCED

① Spe I → Afl II  
from pGT-N29  
pGT-N28  
= PNEO

④ H3  
168778 3.4 Kb  
H3  
2.35 Kb  
Mfe I  
1726 Mfe I

Construction of  
PNEOtk-CbS'31  
① = PNEO  
② = PNEO-CbS'1  
③ = PNEOtk CbS'1  
④ = PNEOtk-CbS'31

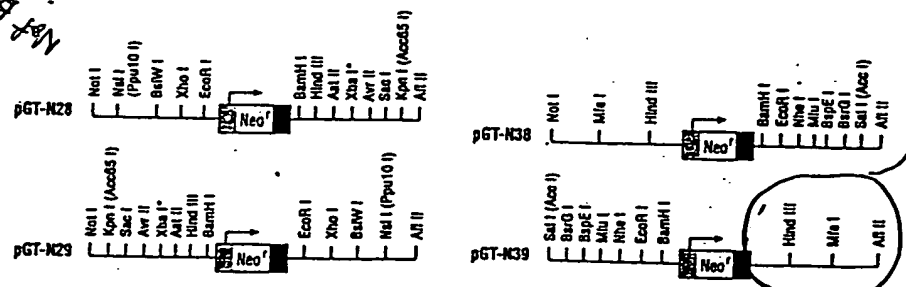
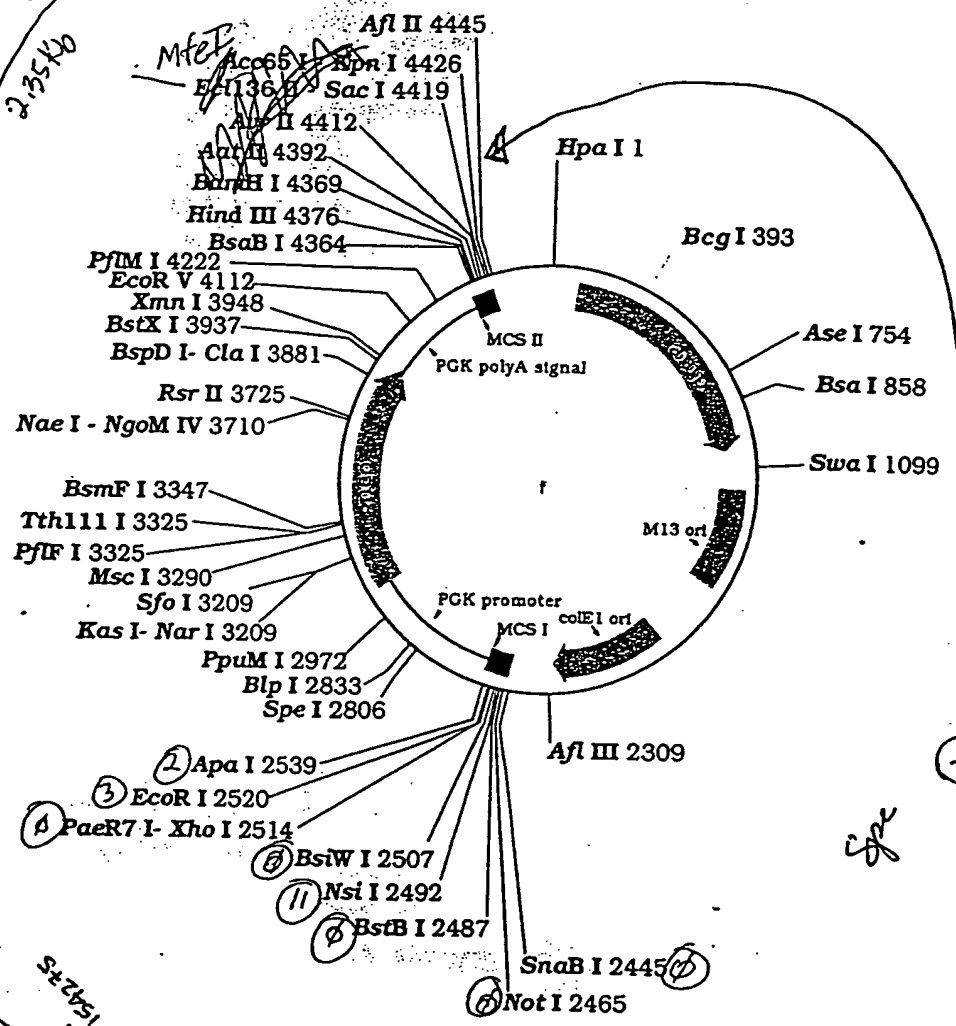
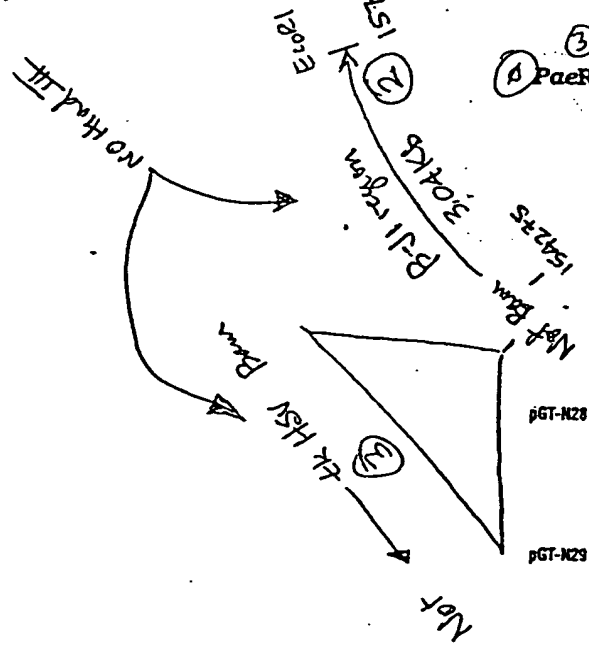


Fig. 2d.

FIG 3

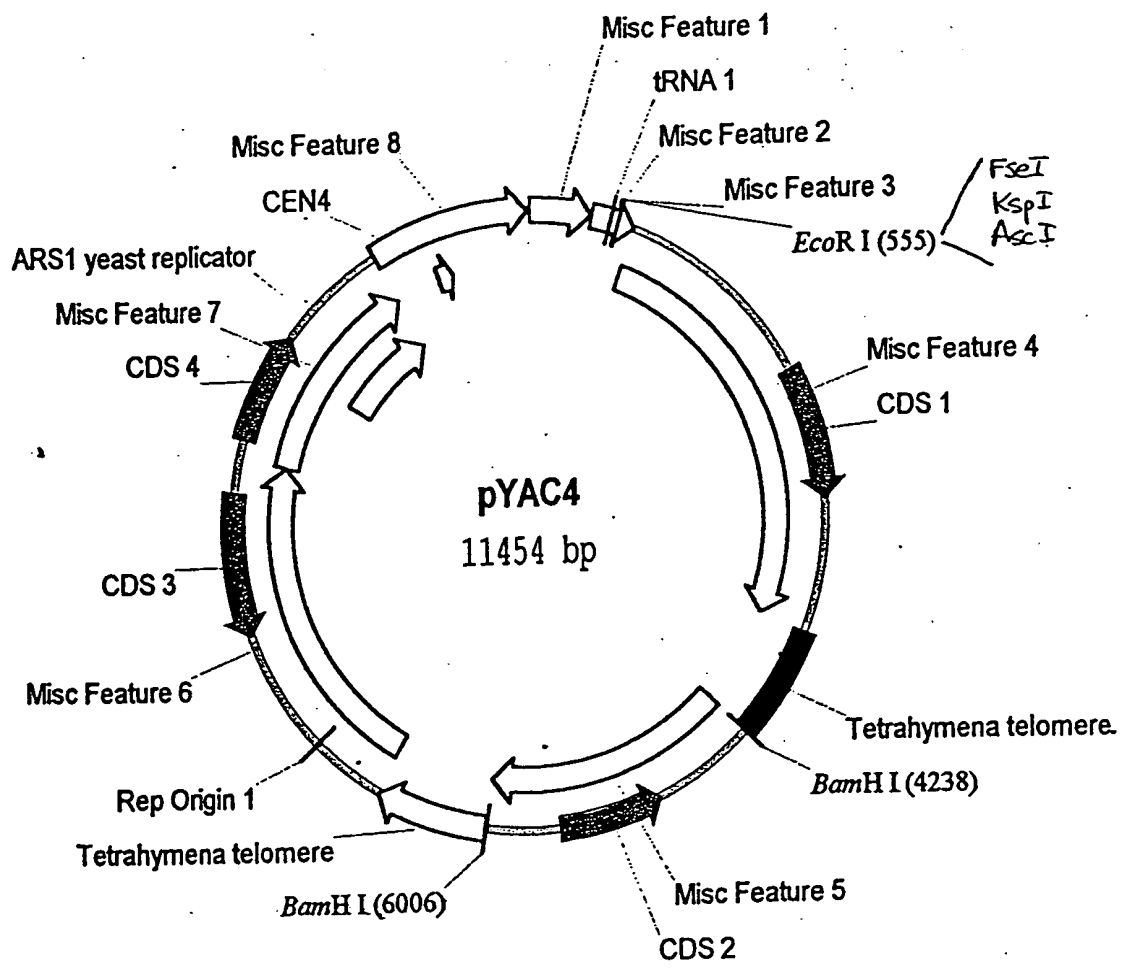
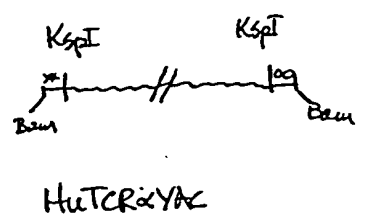
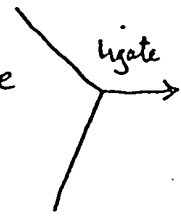
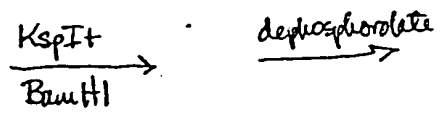
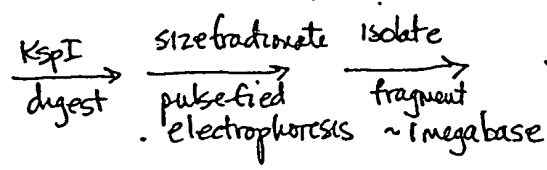
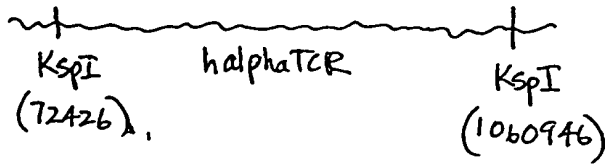


FIG 3

Figure 4. OVERVIEW

T36TET-3434200T

human chromosomal DNA  
Chromosome 14 locus 14q11.2



FOR "SHOOT"

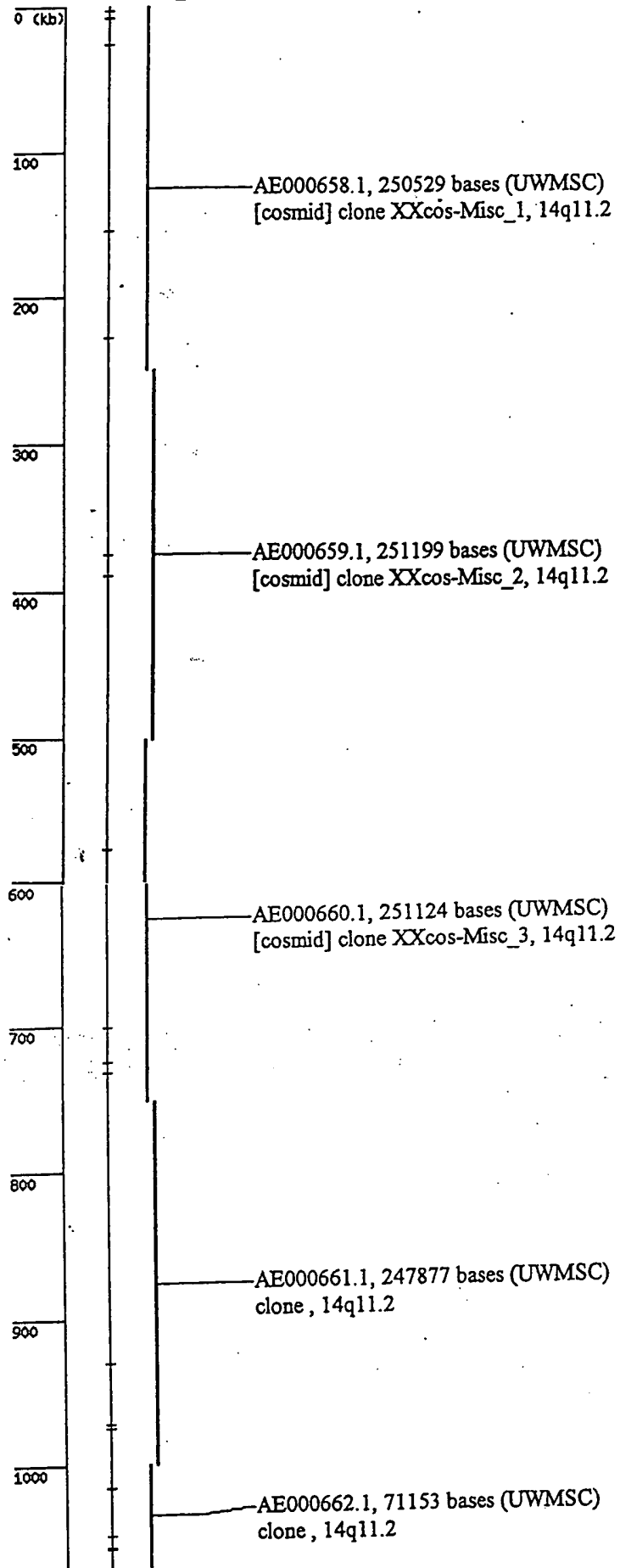
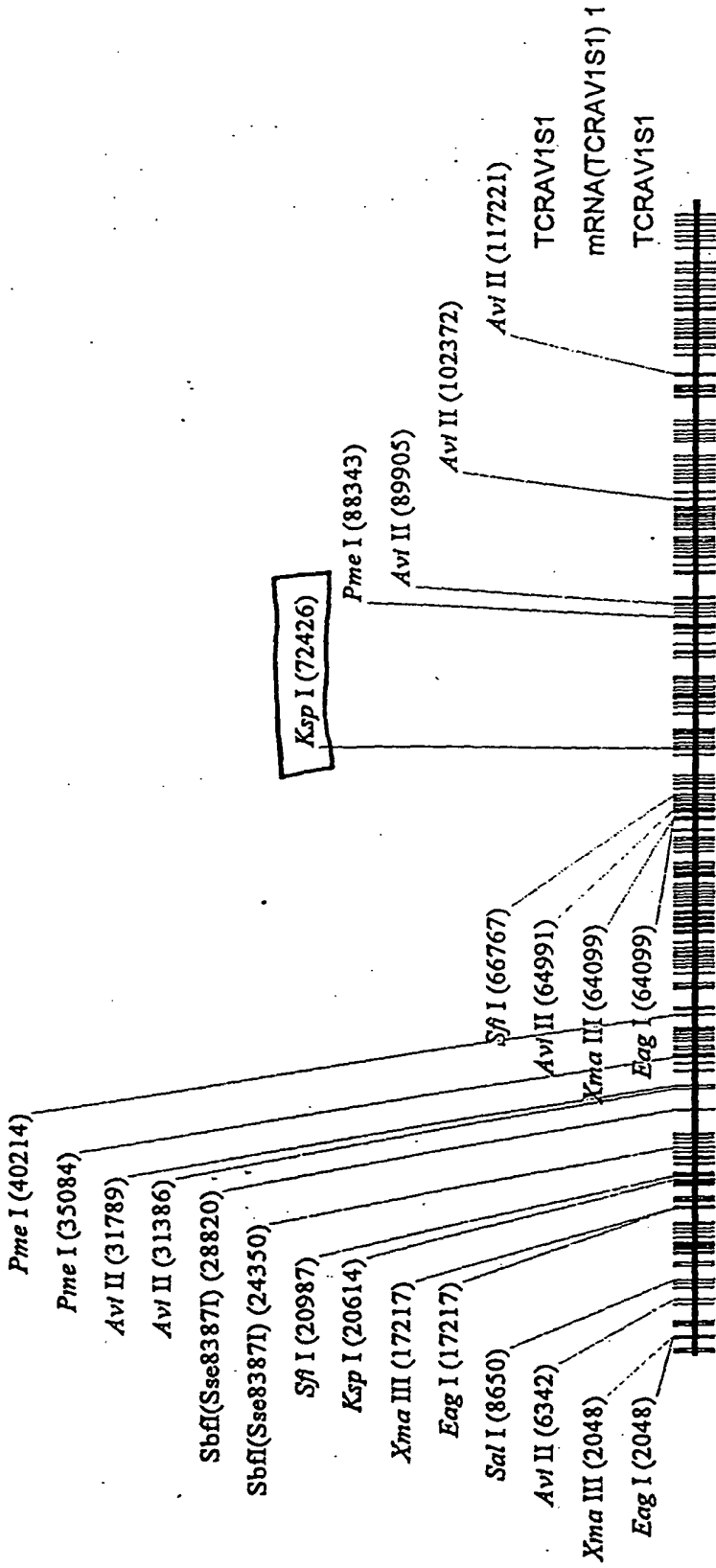


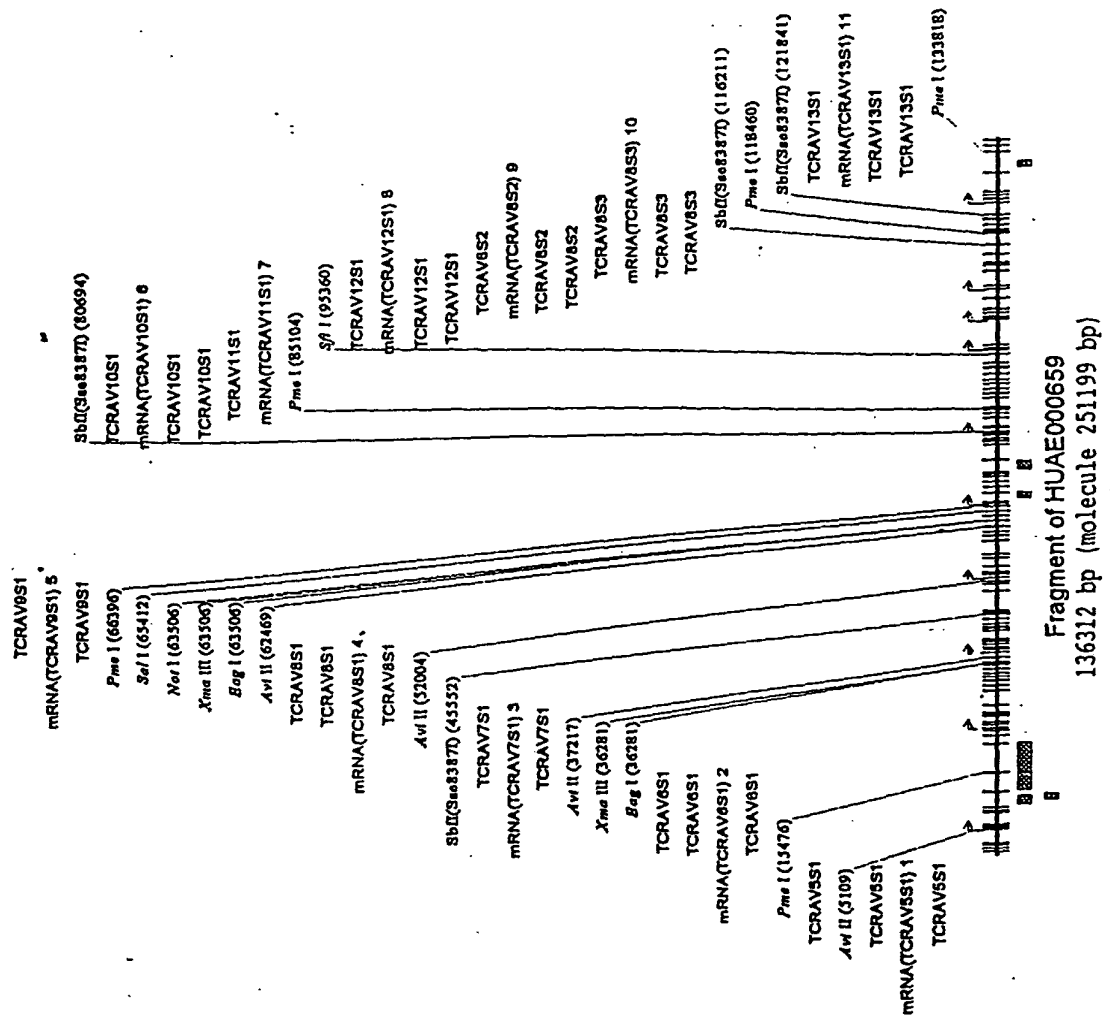
Fig. 4A



Fragment of HUAE000658  
137784 bp (molecule 250529 bp)

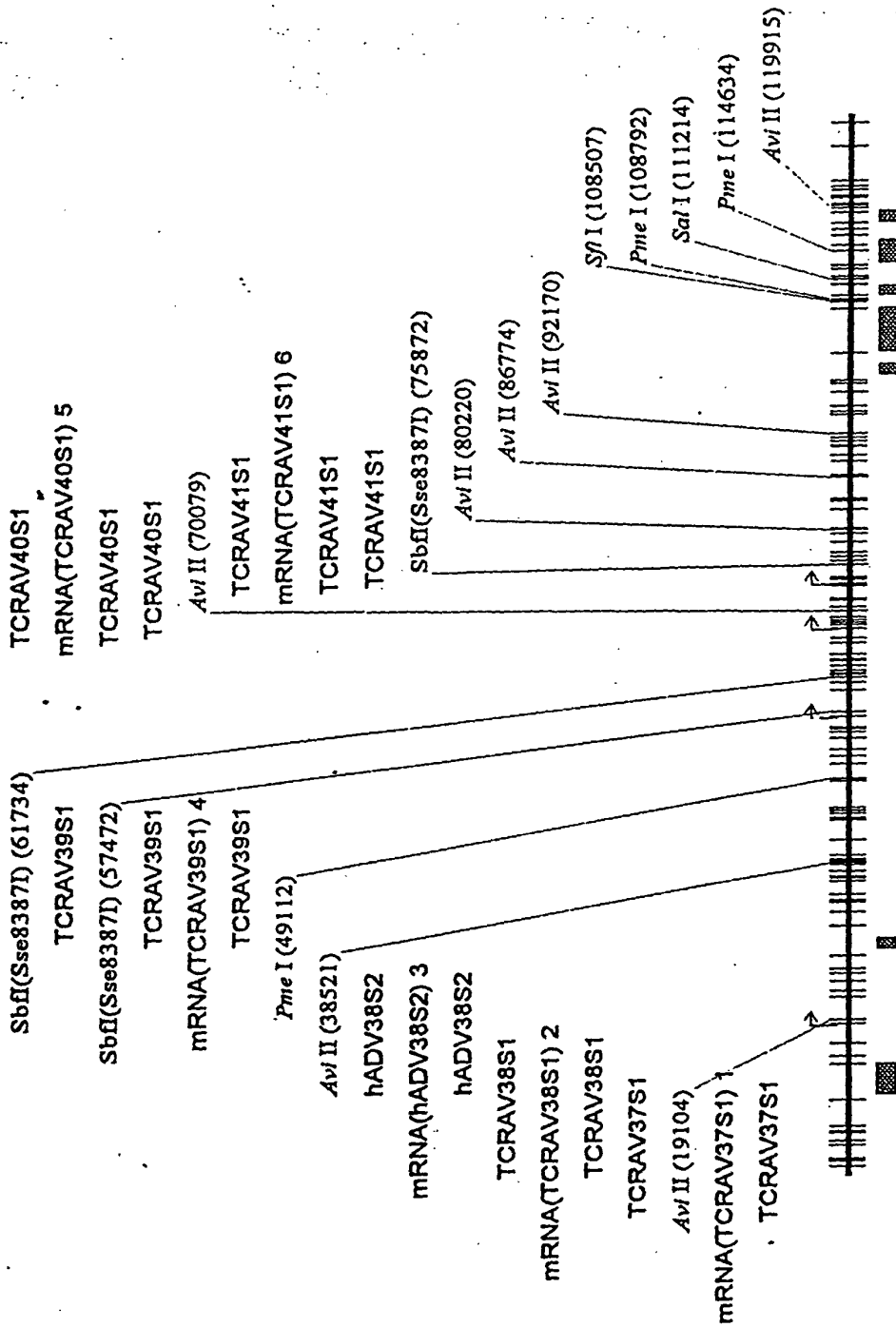


TCRAV8S1

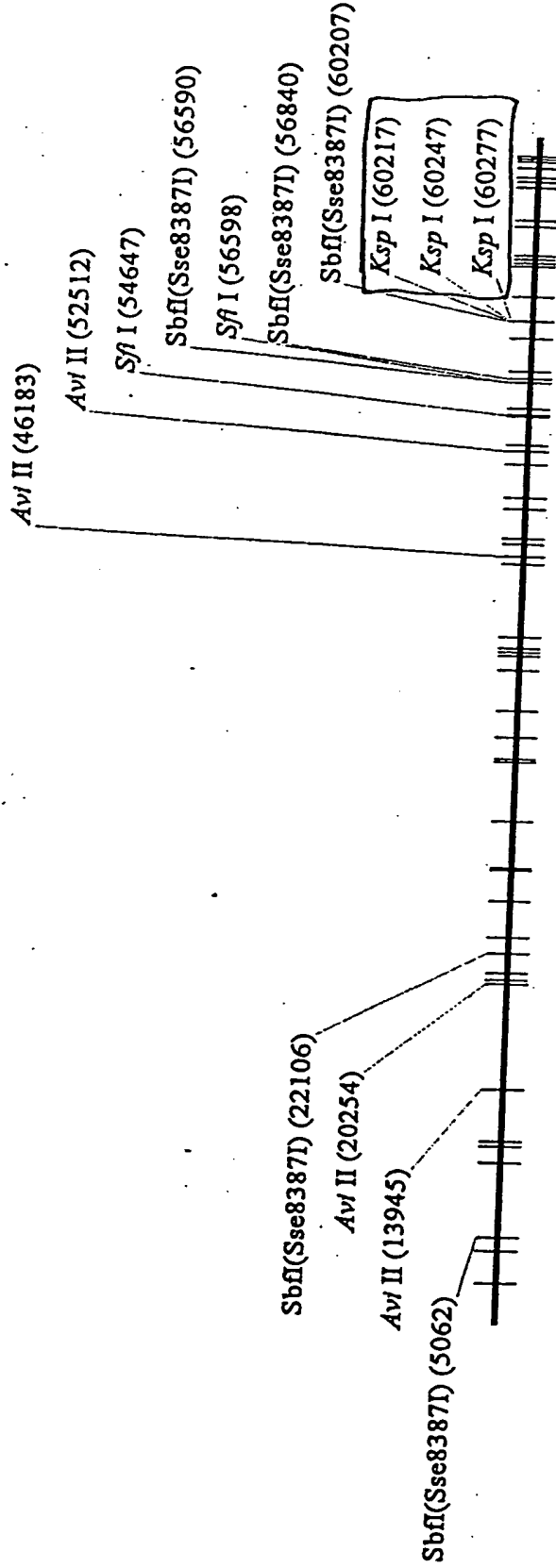


Fragment of HUAE000659  
136312 bp (molecule 251199 bp)





Fragment of HUAE000661  
131332 bp (molecule 247877 bp)

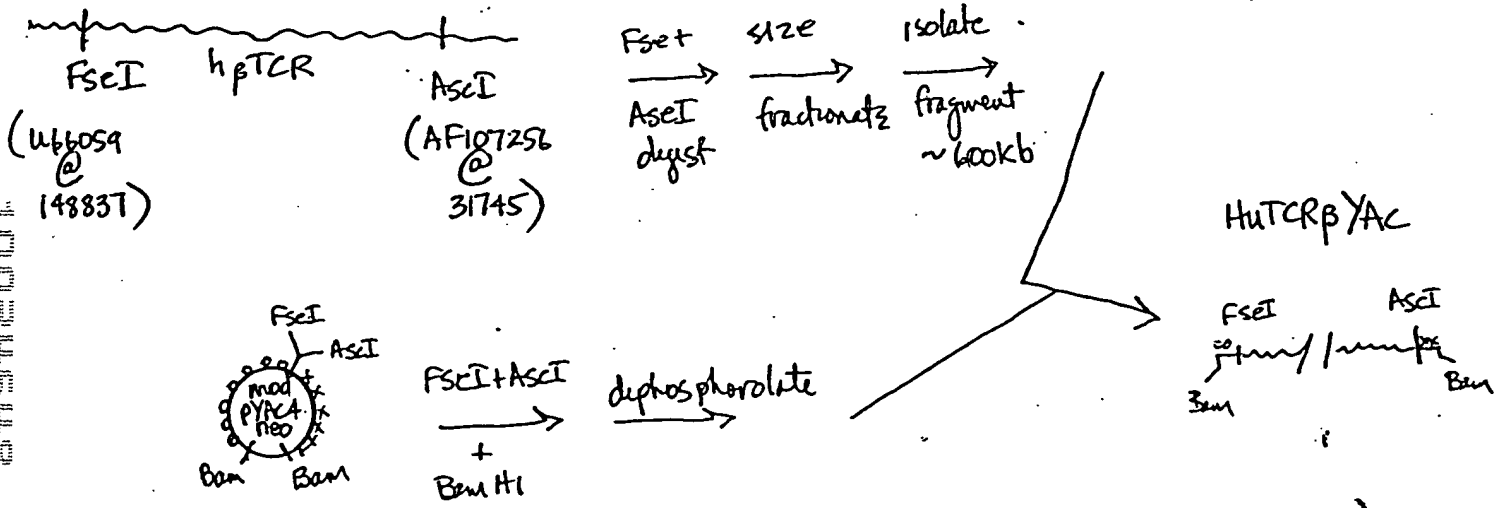


HUA E000662

71153 bp

# Figure 5 overview

human chromosomal DNA  
Chromosome 7 locus 7q35



FOOTPRINT "STRONG"

FOR "BIBL" FILE

Markers  
Components

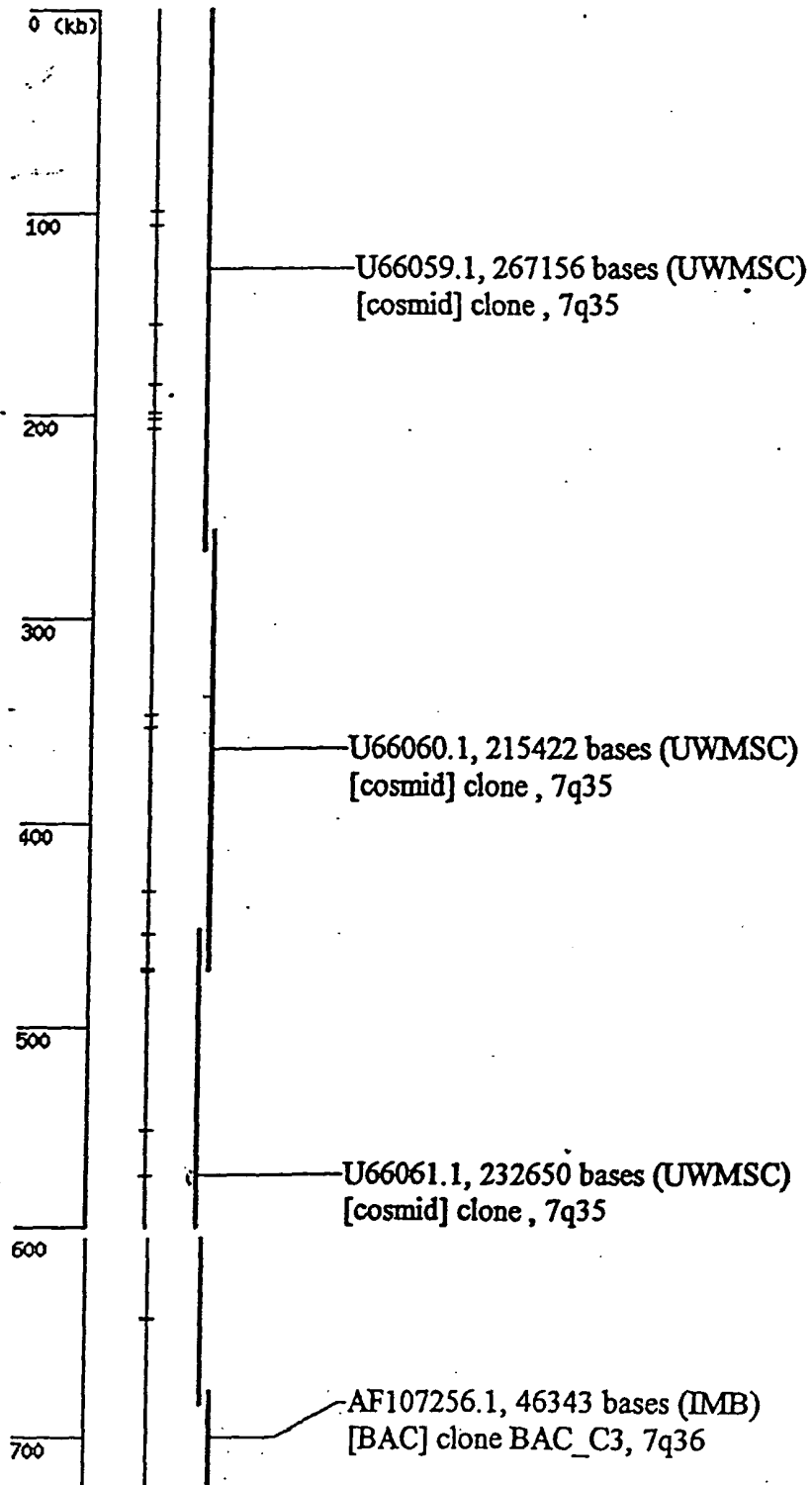
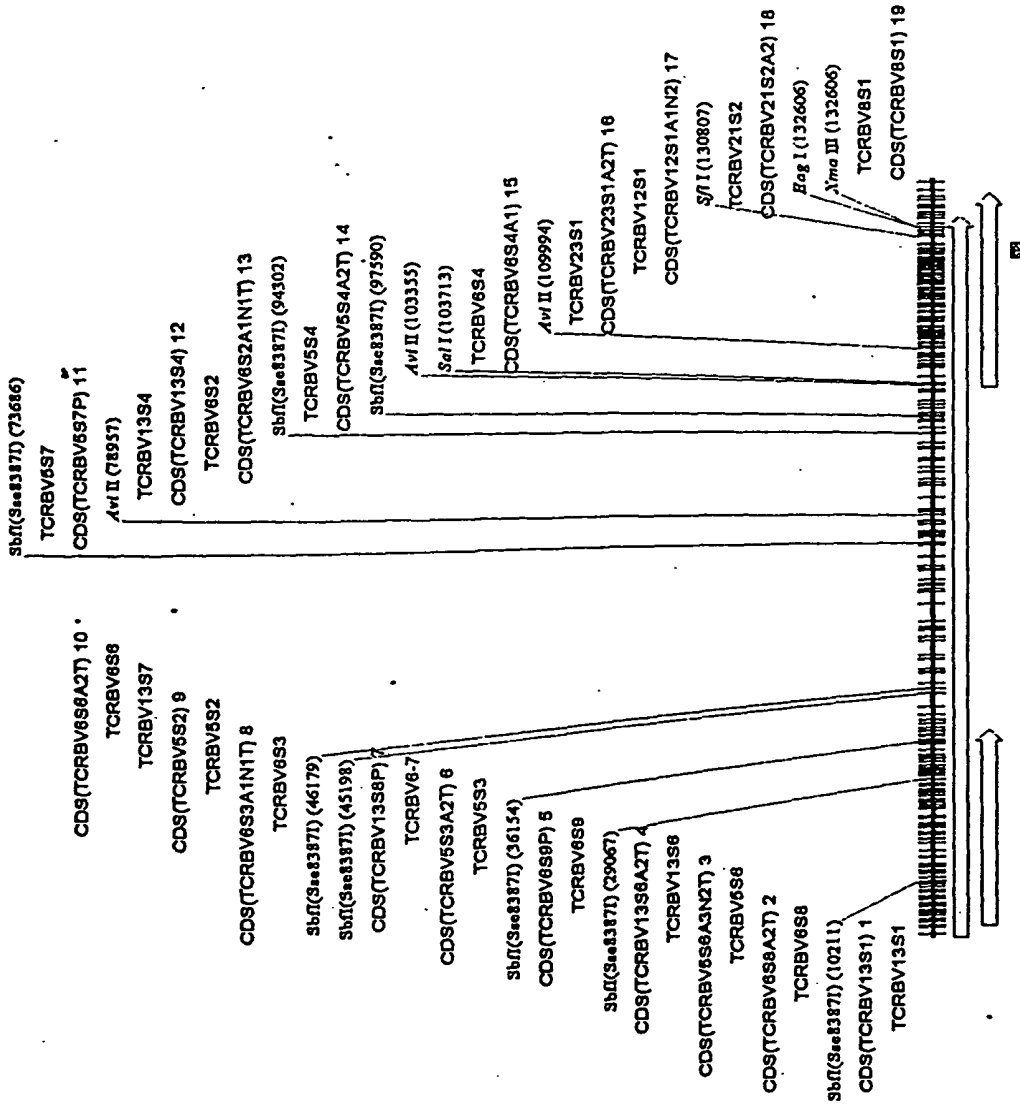


Fig 5A

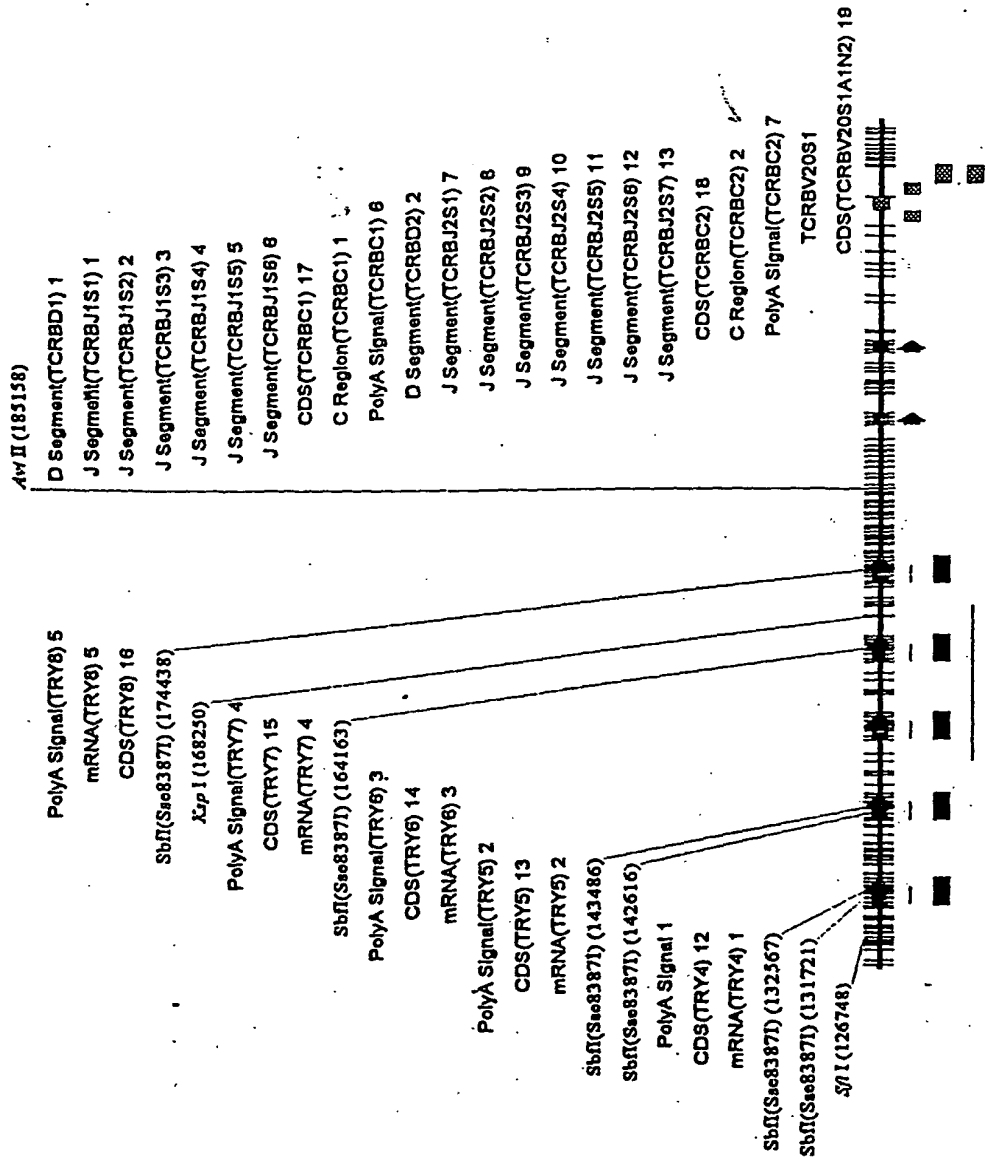




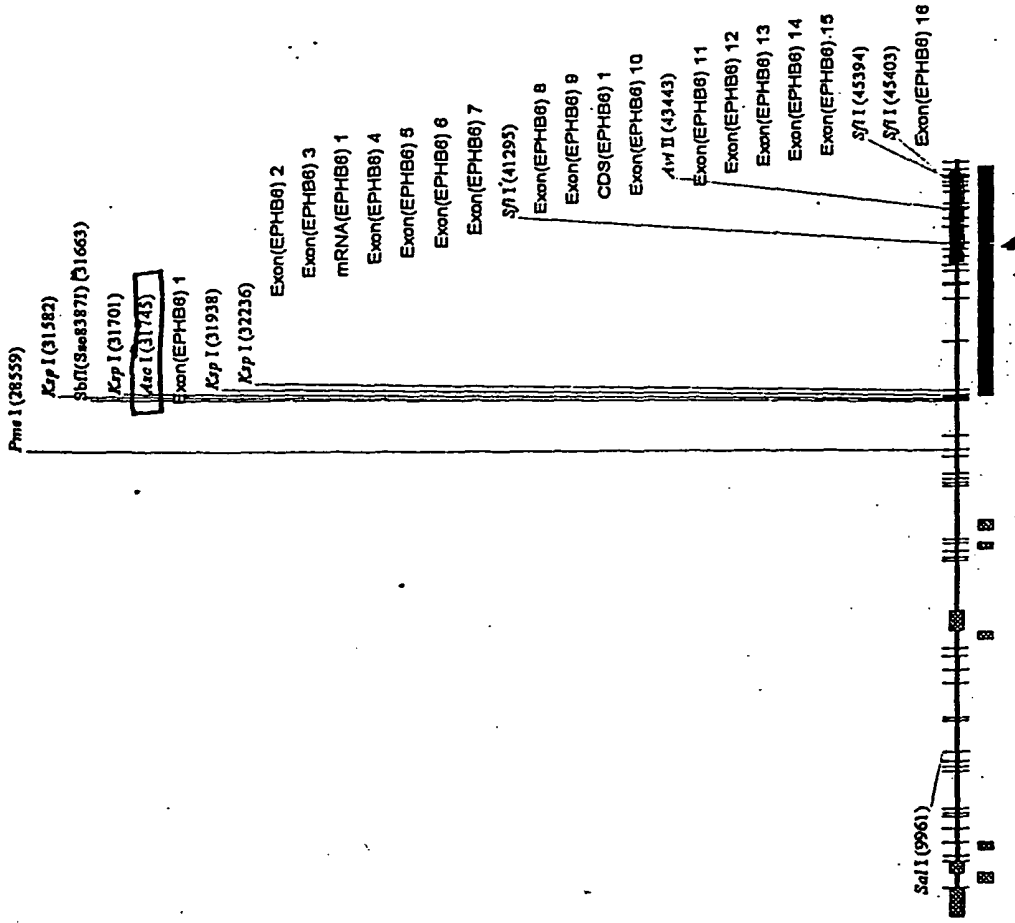
Fragment of U66060  
141491 bp (molecule 215422 bp)



TCRβ T cell "SH3H200T"



Fragment of U66061  
109812 bp (molecule 232650 bp)



AF107266  
46343 bp

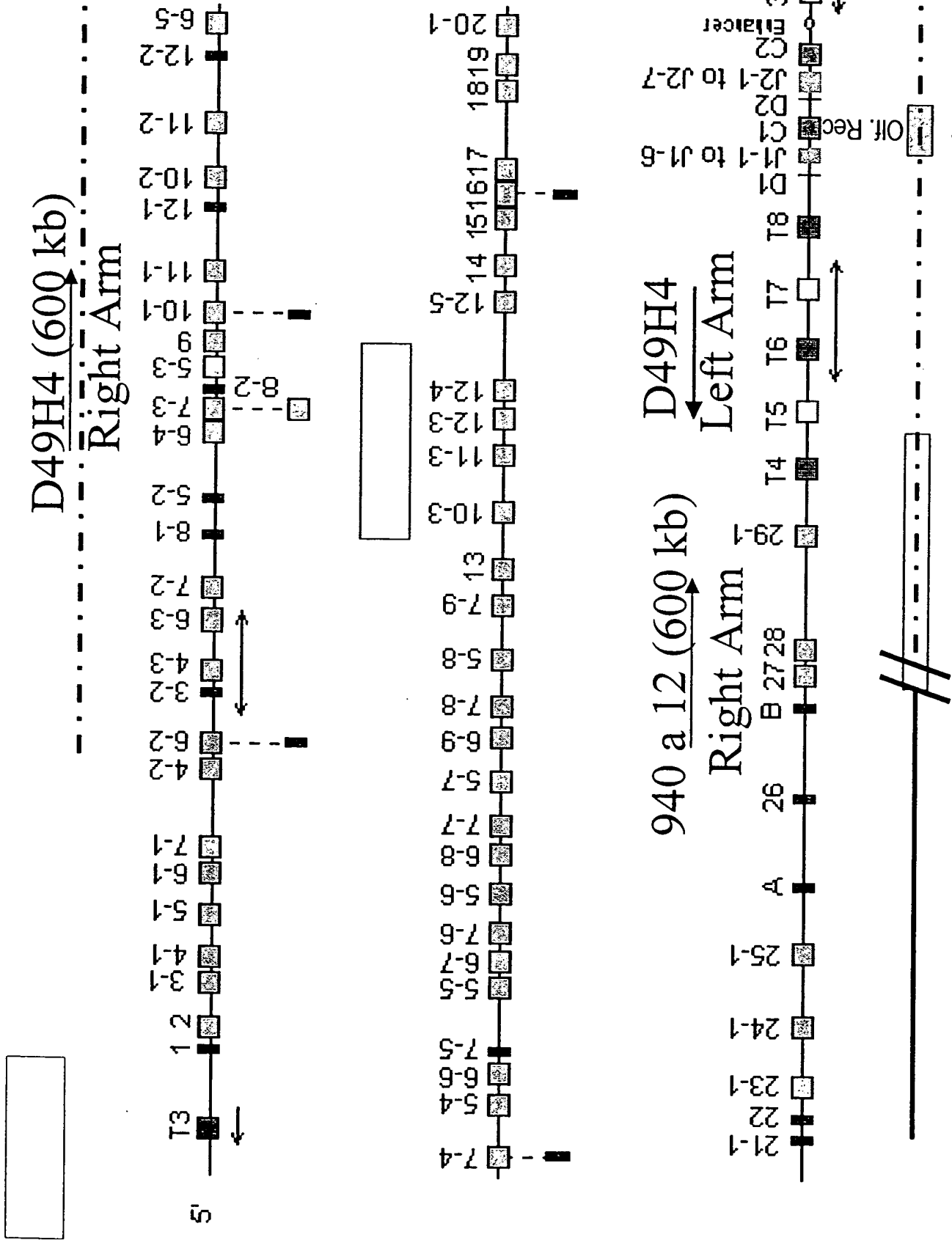


Figure 5F: TCRβ chain gene superimposed with YACS obtained from RESGEN (Huntsville, Alabama)

### huTCR $\beta$ YAC



**Figure 5g:** Following recombination of YACs 940 a 12 and D49H4 to create the HuTCR $\beta$  YAC, the right arm of the construct can be retrofitted with vectors containing regulatory sequences and/or mammalian selection cassettes.

**Modification vector**

